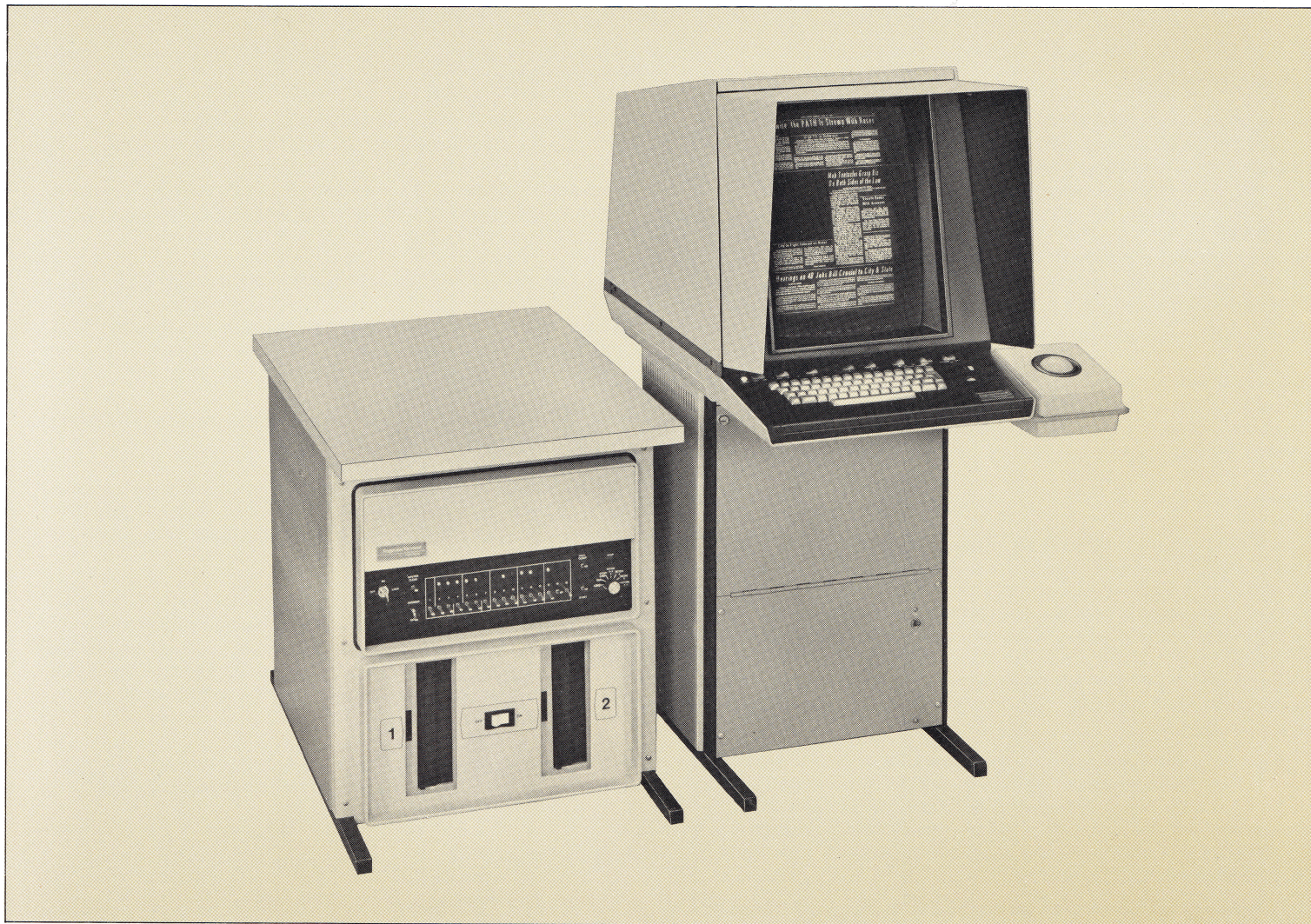


System V Hardware

Page View Terminal



Description

The screen of Mergenthaler Linotype's Page View Terminal (PVT) displays an interactive representation of a complete newspaper page. This provides an electronic "dummy" and "soft copy" proof that is a fast, flexible, and realistic way to set up complete pages of news stories and classified ads and to design display ads.

The Page View Terminal is an important element of Mergenthaler Linotype's full pagination system design that eliminates many costly, time-consuming layout and paste-up operations. The Page View Terminal and full pagination enable newspapers to streamline their pre-press operations and improve the quality of their product.

- Improves existing page make-up methods with a powerful, versatile tool
- Displays a tabloid page at 95% of its actual size, or a complete broadsheet page at $\frac{2}{3}$ its size

- Text is written to diskette to reduce load on CPU
- Copyfitting, headfitting, typesetting, and classified software programs available; software stored on diskette
- 16,000 to 30,000 characters clearly legible on screen
- Eight stylized fonts simulate actual newspaper typefaces
- "Trackball" movement of cursor
- Hardware includes 10- by 15-inch Tektronix display and 32K Prime 100 computer

Mergenthaler Linotype

System V Hardware

Page View Terminal

Operating Modes

Most editing and copyfitting is performed at Linoscreen 300 VDTs. The PVT then gives the editor an opportunity to see and modify the page in typographic form before type is set. Page View Terminal software has been designed for four modes of operation.

Page Mode: In the Page Mode, the editor can proof an entire page and evaluate its "color" and layout. It can be viewed at any magnification up to 700% of scale. The editor can select a page from a page file, call it to the PVT screen, and enlarge portions of it for closer examination.

Vertical and horizontal rules in seven weights can be drawn.

Editorial Interactive Mode: For proofing, word by word, the contents of a story or page, the editor can enter this mode. A cursor can be called to the screen and moved by a "trackball" to define an area or move a line to the bottom of the screen where an Edit Line is used to change characters or words. The copy moves across the Edit Line where the editor can make any necessary changes.

Block Mode: When the editor views a page in the Block Mode, stories are shown in position as outlined blocks and a "menu" of stories is displayed in the left margin. This mode is most useful for moving stories around a page. When the page layout is finalized, it can be reviewed in typographic form in the Page Mode and then stored in the main system disc to await typesetting.

Display Ad Mode: Display ads can be composed at the PVT by entering the Display Ad Mode. In this mode, guide boxes and lines can be constructed to aid in placing the text.

Copy for the ad is keyboarded at a Linoscreen 300 VDT. The copy is called to the PVT by the ad number. Using the trackball and cursor, blocks of copy can be defined and composed individually. Point sizes, line lengths, or indents can be changed; characters can be expanded or condensed; or runarounds can be modified. These composition operations, and others, are all performed interactively at the PVT.

At any time, a "soft proof" of the ad can be displayed on the PVT screen. The ad can be assigned to a page and viewed in context with the stories or other ads that will surround it. The ad is then handled using the Block and Page Modes.

Specifications

Screen: Modified Tektronix 4014 display terminal. Screen size 11 x 15 inches. Displays tabloid page at 95% size, broadsheet at $\frac{2}{3}$ size.

Computer: 32K Prime 100 computer and two-way buffered interface to System V CPU. Data transmission in serial form at 19,200 baud rate. PVT can be positioned up to 1,000 feet from host computer.

Keyboard: Secretarial keyboard plus function keys. Total of 60 keys.

Disk Drives: Dual disk drives. Disk 1 stores text at PVT to relieve CPU. Disk 2 stores PVT software. Diskettes can be copied for back-up, consolidated, or write protected with available utility programs.

Trackball: Used to move cursor and re-position simulated text blocks in Block Mode.

Display Modes: Refresh mode — data is re-written 30 times a second. Storage mode — data is written just once and stays visible about one minute or until erased. Pressing any key brings display back. Designed to prolong screen life.

Displayed Characters: Characters shown in typographic form from digital data stored in PVT computer. Characters are designed to match customer's typefaces and can be expanded and condensed to simulate capabilities of phototypesetter. Characters can be displayed at any size between 1 point and size of the screen. Between 16,000 and 30,000 characters are clearly legible on screen.

Display Typefaces: Eight standard fonts: roman, bold, italic, and bold italic forms of both a serif and sans serif typeface design. Normally between 100 and 120 characters per font.

Physical Dimensions:

Terminal	Controller
Height: 49 inches (125 cm.)	26 inches (67 cm.)
Width: 20 inches (51 cm.)	23 inches (59 cm.)
Depth: 32 inches (81 cm.)	32 inches (81 cm.)
Weight: 185 pounds (85 kg.)	230 pounds (105 kg.)

Electrical Requirements:

Voltage: 230 V $\pm$ 10%	Cable Lengths:
Frequency: 50 or 60 Hz	PVT to controller — 8 feet
Power Consumption: 0.5 KVA	Controller to CPU — 1,000 feet

These specifications are subject to change without notice.

Mergenthaler Linotype

Mergenthaler Linotype Company
Mergenthaler Drive
Plainview, New York 11803
(516) 752-4197